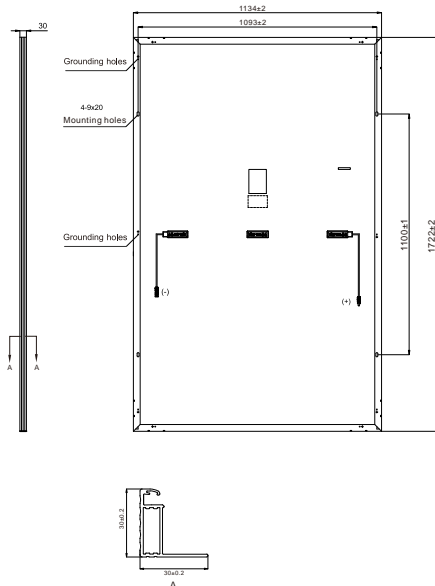


Dimensions of PV Module

Unit: mm



ELECTRICAL DATA (STC)

Model Number	RSM108-9-410NB	RSM108-9-415NB	RSM108-9-420NB	RSM108-9-425NB	RSM108-9-430NB	RSM108-9-435NB
Rated Power in Watts-Pmax(Wp)	410	415	420	425	430	435
Open Circuit Voltage-Voc(V)	38.47	38.67	38.87	39.07	39.27	39.47
Short Circuit Current-Isc(A)	13.61	13.70	13.78	13.86	13.94	14.01
Maximum Power Voltage-Vmpp(V)	32.23	32.42	32.61	32.80	33.01	33.20
Maximum Power Current-Impp(A)	12.74	12.82	12.90	12.98	13.05	13.11
Module Efficiency (%)	21.0	21.3	21.5	21.7	22.0	22.3

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM 1.5 according to EN 60904-3

* Module Efficiency(%): Round-off to the nearest number

Sorting and binning tolerances: 0-4.99W Measurement tolerance: ±3%

Short Circuit Current tolerance: ±4% Open Circuit Voltage tolerance: ±3%

25 Years Limited Product Warranty; 30 Years Limited Power Warranty

The first year degradation: 1%, annual degradation: 0.4%, power retention rate within 30 years: 87.4%

ELECTRICAL DATA (NMOT)

Model Number	RSM108-9-410NB	RSM108-9-415NB	RSM108-9-420NB	RSM108-9-425NB	RSM108-9-430NB	RSM108-9-435NB
Maximum Power-Pmax (Wp)	311.0	314.8	318.6	322.3	326.1	329.6
Open Circuit Voltage-Voc (V)	35.78	35.96	36.15	36.34	36.52	36.71
Short Circuit Current-Isc (A)	11.16	11.23	11.30	11.37	11.43	11.49
Maximum Power Voltage-Vmpp (V)	29.91	30.08	30.26	30.44	30.63	30.81
Maximum Power Current-Impp (A)	10.40	10.46	10.53	10.59	10.65	10.70

NMOT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1 m/s.

MECHANICAL DATA

Solar cells	n-type
Cell configuration	108 cells (6×9+6×9)
Module dimensions	1722*1134*30/35/40mm
Weight	20~29kg
Superstrate	High Transmission, Low Iron, Tempered ARC Glass
Substrate	Back-sheet
Frame	Anodized Aluminium Alloy, Black
J-Box	Potted, IP68, 1500VDC, 3 Schottky bypass diodes
Cables	4.0mm ² , Positive(+)350mm, Negative(-)230mm (Connector Included)
Connector	Zhejiang Twinsel Electronic Technology Co.,Ltd. PV-SY02, IP68

TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	44°C±2°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.046%/°C
Temperature Coefficient of Pmax	-0.30%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Fire Class According to UI790	CLASS C
Max Series Fuse Rating	25A
Limiting Reverse Current	25A

PACKAGING CONFIGURATION

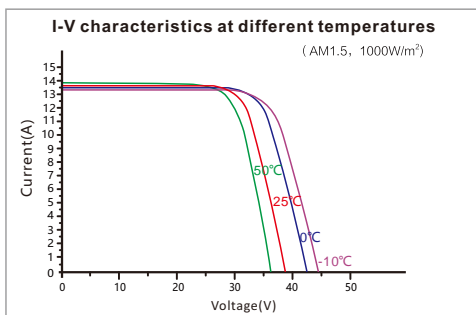
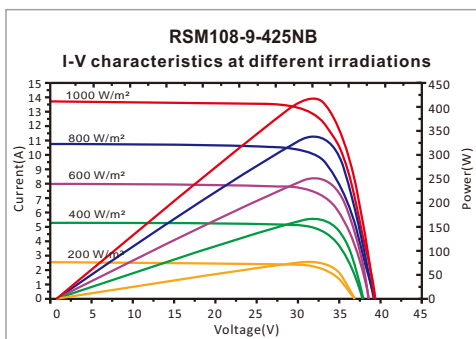
	40ft(HQ)	20ft
Number of modules per container	936	216
Number of modules per pallet	36	36
Number of pallets per container	26	6
Packaging box dimensions (LxWxH) in mm	1738×1140×1260	1738×1140×1260
Box gross weight[kg]	835	835

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

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No special undertaking or warranty for the suitability of special purpose or being installed in extraordinary surroundings is granted unless as otherwise specifically committed by manufacturer in contract document.

THE POWER OF RISING VALUE



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